



Cloud in a Jar Experiment



Learn how to make a smaller version of what happens in the sky every day!

WARNING: This activity involves using boiling water and matches. Please do under supervision of an adult.

Materials:

- 2 cups water, boiling
- Jar, large
- Oven mitts
- Match box
- Ice in a bag

Instructions:

1. Place your large jar on a flat, steady surface.
2. Boil 2 cups of water and pour safely into the jar.
3. Leave for a minute. Using oven mitts pour majority of the water out and leave an inch of water at the bottom.
4. Place the jar back onto a flat surface, light a match using the match box and hold on top of the jar for 5 seconds.
5. Drop the match into the jar and immediately cover with the bag with ice.
6. Observe your cloud form!

- ➔ Clouds are collections of tiny water droplets
- ➔ They are formed when Sun heated air meets the cold damp air coming off the ground
- ➔ Too many water droplets will make it so they are too heavy to float, and drop as rain